1	T Marmhar	77.4	Coarch Tout	DB	Time stamp
2 3 ((("5903371") or ("6590681")).PN.) and (("5903371") or ("6590681")).PN.) and ((("5903371") or ("6590681")).PN.) and (("5903371") or ("6590681")).PN.) and (("5903371") or ("5211980") or ("5211980") or ("521980") or ("521980	L Number	Hits_			
2 3 ((("5903371") or ("6590681")).PN.) and filter\$3 (("5903371") or ("6590681")).PN.) and filter\$3 (("5903371") or ("6590681")).PN.) and crystal 4 0 ((("5903371") or ("6590681")).PN.) and crystal 5 15 ((("6411407") or ("6211980") or ("621985") or ("6590681") or ("5590681") or ("6590681") or ("6590681") or ("6590681") or ("6590681") or ("6590681") or ("6590681") or ("619865") or ("619865") or ("619865") or ("619865") or ("6289012") or ("6289012") or ("629012") or ("629012") or ("629012") or ("619865") or ("619865"	_	4	((33033/I) OI (0330001)).FM.	·	2003/10/03 13.20
2 3 ((("5903371") or ("6590681")).PN.) and					
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Filter\$3			/// UE 00 2 2 2 1 U		2002/10/00 11-53
4 0 ((("5503371") or ("6590681")).PN.) and crystal crystal ("("6411407") or ("6211990") or ("6590681") or ("6319485") or ("6619685") or ("6414567") or ("6519455") or ("6519255") or ("65194570") or ("53150485") or ("6519255") or ("6454700") or ("53150485") or ("6519255") or ("645700") or ("53150485") or ("6519255") or ("645700") or ("53150485") or ("65194570") or ("66194570") or ("62171232") or ("66194570") or ("62171232") or ("66194570") or ("62171232") or ("6319457") or ("62171232") or ("6319457") or ("62171232") or ("6319457") or ("62171232") or ("6319457") or ("62171232") or ("62171230") or ("62171232") or ("6319457") or ("6319457") or ("62171232") or ("6319457") or ("6319457") or ("62171232") or ("6319457") or ("6	2	3			2003/10/09 11:53
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or ("6614567") or ("6507431") or ("6519257") or ("6519257") or ("6519257") or ("6519227") or ("617222") or ("6304347") or ("6288812") or ("6262820") or ("620788")), PN.) and filter\$\)1 6	5	15	((("641140/") or ("6211960") or ("6610965")		2003/10/09 09.17
	,			1	
or ("6445720") or ("5875054") or ("5327275") or ("6317232") or ("6304347") or ("628812") or ("6262820") or ("62188912") or ("6262820") or ("6218912"). PN.) and filter\$1 or ("6590681") or ("5319458") or ("6619865") or ("6644567") or ("5319458") or ("619865") or ("664567") or ("6590681") or ("6626820") or (or ("661456/") or ("650/451") or (#661662371")	1	
1					
or ("6288812") or ("6262820") or ("6201788").PN.) and filter\$1 (((("641407") or ("621980") or ("6619865")			OI ("044572U")	TOM-TOP	
6			("352/2/3") Or ("051/252") Or ("050454/")		
Company Comp					
("6599681") or ("6519485") or ("6619865") US-PGPUB; Or ("6619255") or ("6456406") or ("903371") or ("645720") or ("6317232") or ("6304347") or ("623275") or ("6317232") or ("6304347") or ("6201788").PN.) and filter\$1) and crystal 1iquid adj crystal adj attenuat\$3	6	^	(0201/00)).FN.) and IIICELT	HEDAT.	2003/10/09 09-19
or ("6614567") or ("6507431") or ("6507431") or ("6303371") or ("6454006") or ("5903371") or ("6454006") or ("6303371") or ("6288812") or ("630732") or ("6304347") or ("6201788")).PN.) and filter\$1) and crystal liquid adj crystal adj attenuat\$3 8	บ	٥	("6590681") or ("5319485") or ("6619865")	1	2003,10,03 03.10
Continue			or ("6614567") or ("6507431") or	,	
or ("6445720") or ("5317232") or ("6304347") or ("528812") or ("6307232") or ("6304347") or ("6201788")).PN.) and filter\$1) and crystal liquid adj crystal adj attenuat\$3 8 5 (liquid adj crystal adj attenuat\$3) and (398/\$7.ccls.) 9 321173 liquid adj crystal adj attenuat\$3) and USPAT; US-PGPUB; EPO; JPO; DERWENT; IEM TDB USPAT;			("6519255") or ("6456406") or ("5903371")		
("5327275") or ("6317232") or ("6304347") or ("6288812") or ("6262820") or ("62088812") or ("6262820") or ("620788")).PN.) and filter\$1) and crystal liquid adj crystal adj attenuat\$3 8					
or ("6283812") or ("6262820") or ("6201788")).PN.) and filter\$1) and crystal liquid adj crystal adj attenuat\$3 S2					
7			or ("6288812") or ("6262820") or		
7 52 crystal liquid adj crystal adj attenuat\$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-RAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-RAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; J			("6201788")).PN.) and filter\$1) and		
7 52 liquid adj crystal adj attenuat\$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO;					
8 5 (liquid adj crystal adj attenuat\$3) and (398/\$7.ccls.) 9 321173 liquid adj crystal adj attenuat\$3) and USPĀT; US-PGPUB; EPC; JPC; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPC; DERWENT; IBM TDB USPĀT; USPGPUB; EPC; JPC; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPC; DERWENT; ISM TDB USP	7	52		USPAT;	2003/10/09 09:19
B S (liquid adj crystal adj attenuat\$3) and (398/\$7.ccls.) 9 321173 liquid adj crystal Uspar; IBM TDB Uspar; IBM TDB Uspar; Usperous Uspar; U					
8				EPO; JPO;	
8					
13 128 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) 321173 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) (((liquid adj crystal) and attenuat\$3) ((((liquid adj crystal) and attenuat\$3) ((((liquid adj crystal) and attenuat\$3) (((((liquid adj crystal) and attenuat\$3) ((((((liquid adj crystal) and attenuat\$3) (((((((((((((((((((((((((((((((((((
Section Sect	8	5		1	2003/10/09 09:18
DERWENT; IBM TOB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT;			(398/\$7.ccls.)	1	
9 321173 liquid adj crystal					
9 321173 liquid adj crystal USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IB					
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; ISM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT;	_				2002/10/00 00:00
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	9	321173	liquid adj crystal	1	2003/10/09 09:20
DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;				1	
10 229098 attenuat\$3					
10 229098 attenuat\$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DERWENT;]			
US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	1.0	220000	a++ anua+¢3		2003/10/09 09.20
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	10	229098	allenual?3		2003/10/03 03.20
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11 8173 (liquid adj crystal) and attenuat\$3					
11 8173 (liquid adj crystal) and attenuat\$3				· ·	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	11	0172	(liquid adj crystal) and attenuat\$3		2003/10/09 09:20
12 160 ((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls. 12 160 ((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls. 13 128 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3 128 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3 129 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3	**	01/3	(induin and organal, and accounaces	l .	
12 160 ((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls. 12 160 ((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls. 13 128 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3 128 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3 129 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3					
12 160 ((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls. 128 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3 128 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3 129 (((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3 120 ((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3				1	
12 160 ((liquid adj crystal) and attenuat\$3) and USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; ISM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	1			1	
398/\$7.ccls. US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	12	160	((liquid adj crystal) and attenuat\$3) and	_	2003/10/09 09:30
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT;				US-PGPUB;	
13 128 (((liquid adj crystal) and attenuat\$3) and USPAT; US-PGPUB; EPO; JPO; DERWENT;					
13 128 (((liquid adj crystal) and attenuat\$3) and USPAT; US-PGPUB; EPO; JPO; DERWENT;					
398/\$7.ccls.) and las\$3 US-PGPUB; EPO; JPO; DERWENT;				IBM TDB	
398/\$7.ccls.) and las\$3 US-PGPUB; EPO; JPO; DERWENT;	13	128	(((liquid adj crystal) and attenuat\$3) and	USPĀT;	2003/10/09 09:34
EPO; JPO; DERWENT;					
				EPO; JPO;	
IBM TDB					
				IBM_TDB	

14	111	((((liquid adj crystal) and attenuat\$3) and 398/\$7.ccls.) and las\$3) and filter\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/10/09 09:38	
15	0	((("5903371") or ("6590681")).PN.) and linear	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/10/09 09:38	
16	2	("6519060").PN.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/10/09 11:53	
17	34	(("6411407") or ("6211980") or ("6590681") or ("5319485") or ("6619865") or ("6614567") or ("6507431") or ("6519255") or ("6456406") or ("5903371") or	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/10/09 13:28	
10		("6445720") or ("5875054") or ("5327275") or ("6317232") or ("6304347") or ("6288812") or ("6262820") or ("6201788")).PN.	IBM_TDB	2002/10/02 12 02	
18	0.	("landregenerat\$3").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/09 13:29	
19	0	((("5903371") or ("6590681")).PN.) and regenerat\$3	USPĀT; US-PGPUB; EPO; JPO; DERWENT;	2003/10/09 13:29	
20	8	((("6411407") or ("6211980") or ("6590681") or ("5319485") or ("6619865") or ("6614567") or ("6507431") or ("6519255") or ("6456406") or ("5903371") or ("6445720") or ("5875054") or ("5327275") or ("6317232") or ("6304347") or ("6288812") or ("6262820") or	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/09 13:41	
21	2240	("6201788")).PN.) and regenerat\$3 las\$3 adj threshold\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/10/09 13:41	
22	196203	stimulat\$3	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/09 13:41	
23	620	(las\$3 adj threshold\$1) and stimulat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/10/09 13:41	
24	18	((las\$3 adj threshold\$1) and stimulat\$3) and 398/\$7.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/10/09 13:41	
-	1341	channel\$1 adj control\$3 adj unit\$1	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/10/07 16:59	
-	2083	(398/3,4,5,11,12,14,17,20,32,33,34,43,45,48	IBM_TDB ,UB@AT75,202, US-PGPUB; EPO; JPO; DERWENT; IBM TDB	,2003200/01,5%;59,	154).CC
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_	17	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2003/10/07 17:01
		398/\$7.ccls.	US-PGPUB;	
		·	EPO; JPO; DERWENT;	
		·	IBM TDB	
_	4	(("6515777") or ("6324315")).PN.	USPAT;	2003/10/07 17:01
	_	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	US-PGPUB;	
			EPO; JPO;	,
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_	2	("5978116").PN.	USPAT; US-PGPUB;	2003/10/07 17:03
		•	EPO; JPO;	
			DERWENT;	
			IBM TDB	
. –	6	(("5978116") or ("5712932") or	USPĀT;	2003/10/08 08:02
;		("5414540")).PN.	US-PGPUB;	
·			EPO; JPO;	
			DERWENT;	
_	108022	(bidirection\$2 or "bi-directional" or	IBM_TDB USPAT;	2003/10/08 08:03
	100022	(bi\$1 adj \$1direction\$2))	US-PGPUB;	2003/10/00 00.03
		, (2212 aug 1222222201, 1,)	EPO; JPO;	!
			DERWENT;	
			IBM_TDB	
-	232535	(clockwise or (counter adj clockwise) or	USPAT;	2003/10/08 08:03
		(anti\$1 adj clockwise) or (clock adj	US-PGPUB;	
		wise))	EPO; JPO; DERWENT;	
			IBM TDB	
_	333358	((bidirection\$2 or "bi-directional" or	USPAT;	2003/10/08 08:03
		(bi\$1 adj \$1direction\$2))) or ((clockwise	US-PGPUB;	
		or (counter adj clockwise) or (anti\$1 adj	EPO; JPO;	
		clockwise) or (clock adj wise)))	DERWENT;	
	1329	sharral add control add unit 01	IBM_TDB USPAT;	2003/10/08 08:09
_	1329	channel adj control adj unit\$1	US-PGPUB;	2003/10/06 08:03
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	7	() () ()	USPAT;	2003/10/08 08:07
1		(bi\$1 adj \$1direction\$2))) or ((clockwise	US-PGPUB; EPO; JPO;	
		or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and	DERWENT;	
		398/\$7.ccls.) and (channel adj control adj	IBM TDB	
		unit\$1)		
-	16	(channel adj control adj unit\$1) and	USPAT;	2003/10/08 08:10
1		398/\$7.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	9	((channel adj control adj unit\$1) and	USPAT;	2003/10/08 08:10
	.	398/\$7.ccls.) not ((((bidirection\$2 or	US-PGPUB;	
		"bi-directional" or (bi\$1 adj	EPO; JPO;	
		\$1direction\$2))) or ((clockwise or	DERWENT;	
		(counter adj clockwise) or (anti\$1 adj	IBM_TDB	
		clockwise) or (clock adj wise)))) and		
		398/\$7.ccls.) and (channel adj control adj unit\$1))		
_	2144		USPAT;	2003/10/08 09:35
		(bi\$1 adj \$1direction\$2))) or ((clockwise	US-PGPUB;	= 333, 23, 33
		or (counter adj clockwise) or (anti\$1 adj	EPO; JPO;	
		clockwise) or (clock adj wise)))) and	DERWENT;	
		398/\$7.ccls.	IBM_TDB	

((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) and (second adj (lockwise) or (clockwise) or (clockwise) or (clockwise) or (counter adj clockwise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1))) and (second adj (path\$1 or fiber\$1))) and (second adj (path\$1 or fiber\$1))) or ((clockwise) or (counter adj clockwise) or (anti\$1 adj (clockwise) or (counter adj clockwise) or (anti\$1 adj (clockwise) or (counter adj clockwise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) or ((clockwise) or (counter adj clockwise) or (anti\$1 adj (clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) or (spring to the counter adj clockwise) or (anti\$1 adj (lockwise) or (clockwise) or (anti\$1 adj (lockwise) or (anti\$1 adj	3:15
or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (first adj (path\$1 or fiber\$1))) - 5 (((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (bi\$1 adj \$1direction\$2)) or ((clockwise or (bi\$1 adj \$1direction\$2)) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) - 616 ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2)) or ((clockwise or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and (roupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) - 616 ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise)))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise)))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise))) and 398/\$7.ccls.) and ring (branch\$3 or (clock adj wise)) and 398/\$7.ccls.) and r	3:15
clockwise) or clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupt\$3 or combin\$3) and (branch\$3 or divert\$3) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) and (clockwise or (bi\$1 adj \$1direction\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2)) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupt\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupt\$3 or combin\$3) and (branch\$3 or clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupt\$3 or split\$4)) - 616 (((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and ring - 21 ("5295012" "5483370" "5600469" USPĀT 2003/10/08 08 09 09 09 09 09 09 09 09 09 09 09 09 09	3:15
398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) or ((clockwise or (bi\$1 adj \$ldirection\$2))) or ((clockwise or (counter adj clockwise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (second adj (path\$1 or fiber\$1)) and (second adj (lockwise) or (clock wise) or (clockwise) or (bi\$1 adj \$ldirection\$2 or "bi-directional" or (bi\$1 adj \$ldirection\$2))) or ((clockwise) or (bi\$1 adj \$ldirection\$2)) or ((clockwise) or (bi\$1 adj \$ldirection\$2)) or ((clockwise) or (bi\$1 adj \$ldirection\$2)) or (clockwise) or (bi\$1 adj \$ldirection\$2)] or (clockwise) or (bi\$1 adj \$ldirection\$2] or (bi\$1 adj \$ldirection\$	3:15
attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1))) or ((clockwise or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (first adj (path\$1 or fiber\$1)) - 5 (((bidirection\$2) or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj (path\$1 or fiber\$1)) - 5 (((bidirection\$2) or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) - 616 ((((bidirection\$2) or "bi-directional" or (bi\$1 adj \$1direction\$2)) or ((clockwise or (counter adj clockwise) or (clockwise or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) - 616 ((((bidirection\$2) or "bi-directional" or (bi\$1 adj \$1direction\$2)) or ((clockwise or (clockwise) or (clockwise) or (clockwise) or (clockwise) or (clockwise) or (clockwise) or (spath\$3 or combin\$3 or combin\$	3:15
(branch\$3 or divert\$3) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1))	3:15
(path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj 398/\$7.ccls.) and (wavelength and (branch\$3 or divert\$3 or split\$4) and (second adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and ring 21 ("5295012" "5483370" "5600469" "5706111" "57514154" "5774245" "5786917" "5812306" "5896212"	3:15
Cath\$1 or fiber\$1)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (second adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) or ((clockwise) or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (second adj (path\$1 or fiber\$1)) or ((clockwise) or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) - 616 ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise) or (bi\$1 adj \$1direction\$2))) or ((clockwise) or (counter adj clockwise) or (anti\$1 adj clockwise) or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and ring 2003/10/08 08 - 616 (((5295012" "5483370" "5600469" "5774245" "5774245" "5786917" "5812306" "5896212" "5896212" "5886917" "5812306" "5896212" "5786917" "5812306" "5896212" "589	3:15
1 ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) and (second adj \$1direction\$2)) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) -	3:15
(bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1))) - 5 (((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clockwise) or (clockwise) or split\$4) - 616 (((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise))) and (branch\$3 or divert\$3 or split\$4)) - ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise))) and (branch\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) - (1054)	3:15
or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) 5 (((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) 616 ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (counter adj clockwise) or (anti\$1 adj clockwise) or (counter adj clockwise) or (anti\$1 adj clockwise) or (counter adj clockwise))) and 398/\$7.ccls.) and ring 398/\$7.ccls.) and ring 398/\$7.ccls.) and ring 1BM_TDB USPAT 2003/10/08 08 21 ("5295012" "5483370" "5600469" USPAT 2003/10/08 08 2003/10/08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 08 2003/10/08 2003/10/08 2003/10/08 08 2003/10/08 2003/10/08 2003/10/08 2003/10/08 2003/10/08 2003/10/08 2003/10/08 2003/10/08 2003/10/08 2003/10/08 2003	
clockwise) or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (second adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) or (second adj (path\$1 or fiber\$1)) or (clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) - 616 (((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2 or split\$4)) - 616 (((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or (clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and ring - 21 ("5295012" "5483370" "5600469" USPĀT 2003/10/08 08 "5786917" "57869212"	
398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1))) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clockwise) or (clockwise) or (anti\$1 adj clockwise) or (counter\$3 and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (anti\$1 adj clockwise) or (anti\$1 adj clockwise) or (anti\$1 adj clockwise) or (anti\$1 adj clockwise) or (anti\$1 adj c	
attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1))) (((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clockwise))) and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) (((bi\$1 adj \$1direction\$2))) or ((clockwise or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (specific path) (specific path	
(branch\$3 or divert\$3 or split\$4) and (first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.) and ring 21 ("5295012" "5483370" "5600469" USPĀT "5706111" "5751454" "5774245" USPĀT "5786917" "5812306" "5896212"	
(first adj (path\$1 or fiber\$1)) and (second adj (path\$1 or fiber\$1))) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj EPO; JPO; clockwise) or (clock adj wise))) and DERWENT; 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj EPO; JPO; clockwise) or (clock adj wise))) and DERWENT; 398/\$7.ccls.) and ring 21 ("5295012" "5483370" "5600469" USPAT "5706111" "5751454" "5774245" "57786917" "5812306" "5896212"	
(second adj (path\$1 or fiber\$1))) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clockwise) or (clockwise))) and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise))) and clockwise) or (anti\$1 adj clockwise) or (anti\$1 adj clockwise) or (anti\$1 adj clockwise))) and clockwise) or (clock adj wise))) and clockwise) or (clock adj wise))) and clockwise) or (clockwise) or (anti\$1 adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (anti\$1 adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and clockwise) or (clockwise) or (clock adj wise))) and clockwise) or (clockwise) or (clock adj wise))) and clockwise) or (clockwise) or (clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clockwise) or (anti\$1 adj clockwise) or (clockwise) or (anti\$1 adj clockwise) or (anti\$1	
-	
(bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) - 616 ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clockwise) or (clockwise) or (clockwise) or (clockwise) or (spart; and sing sys\$1.500469" 1.5706111" "5751454" "5774245" 1.5706111" "5751454" "5774245" 1.5786917" "5812306" "5896212" 1.5896	
or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise) or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clockwise) or (clockwise) or (clockwise) or (clockwise) or (spart) ("5295012" "5483370" "5600469" USPAT 2003/10/08 08 "5706111" "5751454" "5774245" USPAT 2003/10/08 08	€:03
clockwise) or (clock adj wise)))) and	}: 03
398/\$7.ccls.) and (wavelength and attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) 616 ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (anti\$1 adj clockwise) or (clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and 398/\$7.ccls.) and ring 21 ("5295012" "5483370" "5600469" USPAT 2003/10/08 08 "5706111" "5751454" "5774245" "5786917" "5812306" "5896212"):03
attentuat\$3 and (coupl\$3 or combin\$3) and (branch\$3 or divert\$3 or split\$4)) - 616 ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj EPO; JPO; clockwise) or (clock adj wise)))) and DERWENT; 398/\$7.ccls.) and ring - 21 ("5295012" "5483370" "5600469" USPAT 2003/10/08 08 "5706111" "5751454" "5774245" "5786917" "5812306" "5896212"	9:03
(branch\$3 or divert\$3 or split\$4)) ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clock adj wise)))) and clockwise) or (clock adj wise))) and clockwise) or (clockwise) or (anti\$1 adj clockwise); DERWENT; IBM_TDB USPAT 2003/10/08 08 09 09 09 09 09 09 09 09 09 09 09 09 09	9:03
- 616 ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clock adj wise)))) and clockwise) or (clockwise) or (anti\$1 adj EPO; JPO; DERWENT; IBM_TDB USPĀT 2003/10/08 08 2003/10/08 2003	9:03
(bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clockwise) or (clockwise) or (clock adj wise))) and clockwise) or (clockwise or (anti\$1 adj EPO; JPO; DERWENT; IBM_TDB USPĀT "5706111" "57483370" "5600469" USPĀT 2003/10/08 08 "5706111" "5751454" "5774245" "57786917" "5812306" "5896212"	
or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise))) and DERWENT; 398/\$7.ccls.) and ring - 21 ("5295012" "5483370" "5600469" USPĀT 2003/10/08 08 "5706111" "5751454" "5774245" "5786917" "5812306" "5896212"	
clockwise) or (clock adj wise)))) and DERWENT; 398/\$7.ccls.) and ring ("5295012" "5483370" "5600469" USPAT 2003/10/08 08 "5706111" "5751454" "5774245" "5786917" "5812306" "5896212"	ł
398/\$7.ccls.) and ring 	ļ
- 21 ("5295012" "5483370" "5600469" USPĀT 2003/10/08 08 "5706111" "5751454" "5774245" "5786917" "5812306" "5896212"	
"5786917" "5812306" "5896212"	3:37
"5786917" "5812306" "5896212"	
"5903371" "5905731" "5920412"	
"6075630" "6078415" "6084694"	
"6101012" "6101013" "6160660"	
"6169616" "6202082" "6204943").PN.	
- 9 ("5003531" "5050164" "5327275" USPAT 2003/10/08 08	3:41
"5510917" "5594581" "5631896"	
"5838924" "5889610" "6075629").PN.	
- 9 ("4586186" "4677618" "4768202" USPAT 2003/10/08 08	3:44
"5157530" "5369520" "5446573"	•
"5774246" "5930017" "6044122").PN.	
- 1528 ((((bidirection\$2 or "bi-directional" or USPAT; 2003/10/08 09	1:04
(bi\$1 adj \$1direction\$2))) or ((clockwise US-PGPUB;	
or (counter adj clockwise) or (anti\$1 adj EPO; JPO; clockwise) or (clock adj wise)))) and DERWENT;	
clockwise) or (clock adj wise)))) and DERWENT; 398/\$7.ccls.) not ((((bidirection\$2 or IBM TDB	
"bi-directional" or (bi\$1 adj	
\$1direction\$2))) or ((clockwise or	
(counter adj clockwise) or (anti\$1 adj	
clockwise) or (clock adj wise)))) and	
398/\$7.ccls.) and ring)	
- 4110 (((bidirection\$2 or "bi-directional" or USPAT; 2003/10/08 09	9:35
(bi\$1 adj \$1direction\$2))) or ((clockwise US-PGPUB;	-
or (counter adj clockwise) or (anti\$1 adj EPO; JPO;	
clockwise) or (clock adj wise)))) and DERWENT;	
359/\$7.ccls. IBM TDB	
- 3849 ((((bidirection\$2 or "bi-directional" or USPAT; 2003/10/08 09	9:35
(bi\$1 adj \$1direction\$2))) or ((clockwise US-PGPUB;	
or (counter adj clockwise) or (anti\$1 adj EPO; JPO;	
clockwise) or (clock adj wise)))) and DERWENT;	
359/\$7.ccls.) not ((((bidirection\$2 or IBM_TDB	
"bi-directional" or (bi\$1 adj	
\$1direction\$2))) or ((clockwise or	
(counter adj clockwise) or (anti\$1 adj	•
clockwise) or (clock adj wise)))) and	
398/\$7.ccls.)	

_	3348	<pre>(((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 359/\$7.ccls.) not (((bidirection\$2 or</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/08 09:36
-	1868	"bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.)) and optical (((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj	USPAT; US-PGPUB; EPO; JPO;	2003/10/08 09:47
		clockwise) or (clock adj wise)))) and 359/\$7.ccls.) not ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and 398/\$7.ccls.)) and optical) and (wavelength\$1 or channel\$1)	DERWENT; IBM_TDB	
-	12677	east and west	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/08 09:47
_	2029	<pre>(((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and (east and west)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/08 09:47
-	69	<pre>((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/08 09:48
_	152	(east and west)) and 359/\$7.ccls. ((((bidirection\$2 or "bi-directional" or (bi\$1 adj \$1direction\$2))) or ((clockwise or (counter adj clockwise) or (anti\$1 adj clockwise) or (clock adj wise)))) and	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/08 10:03
_	21	(east and west)) and 398/\$7.ccls. ("5295012" "5483370" "5600469" "5706111" "5751454" "5774245" "5786917" "5812306" "5896212" "5903371" "5905731" "5920412"	USPAT	2003/10/08 09:56
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